

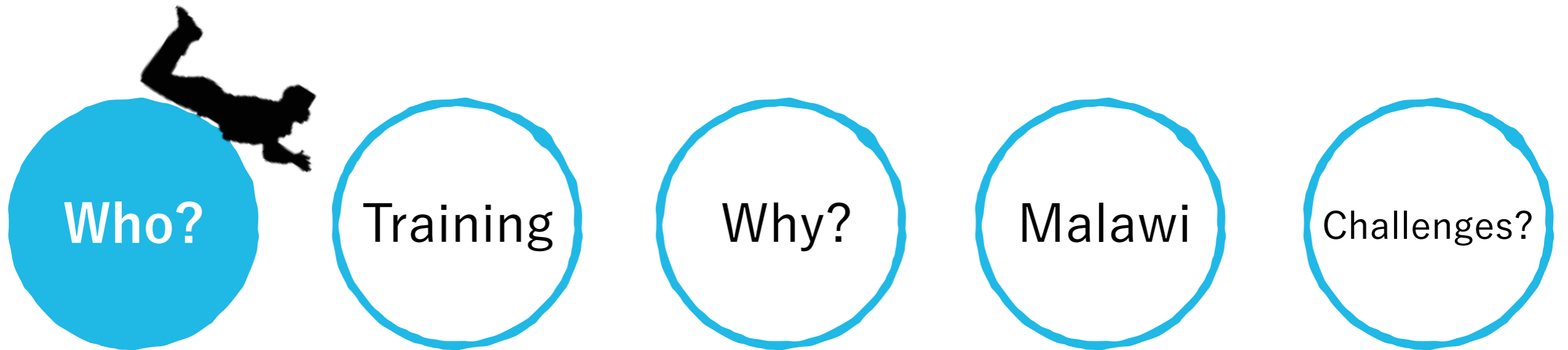
What should Science Communicators communicate? How can we make it?



Please
Call Me
"K".

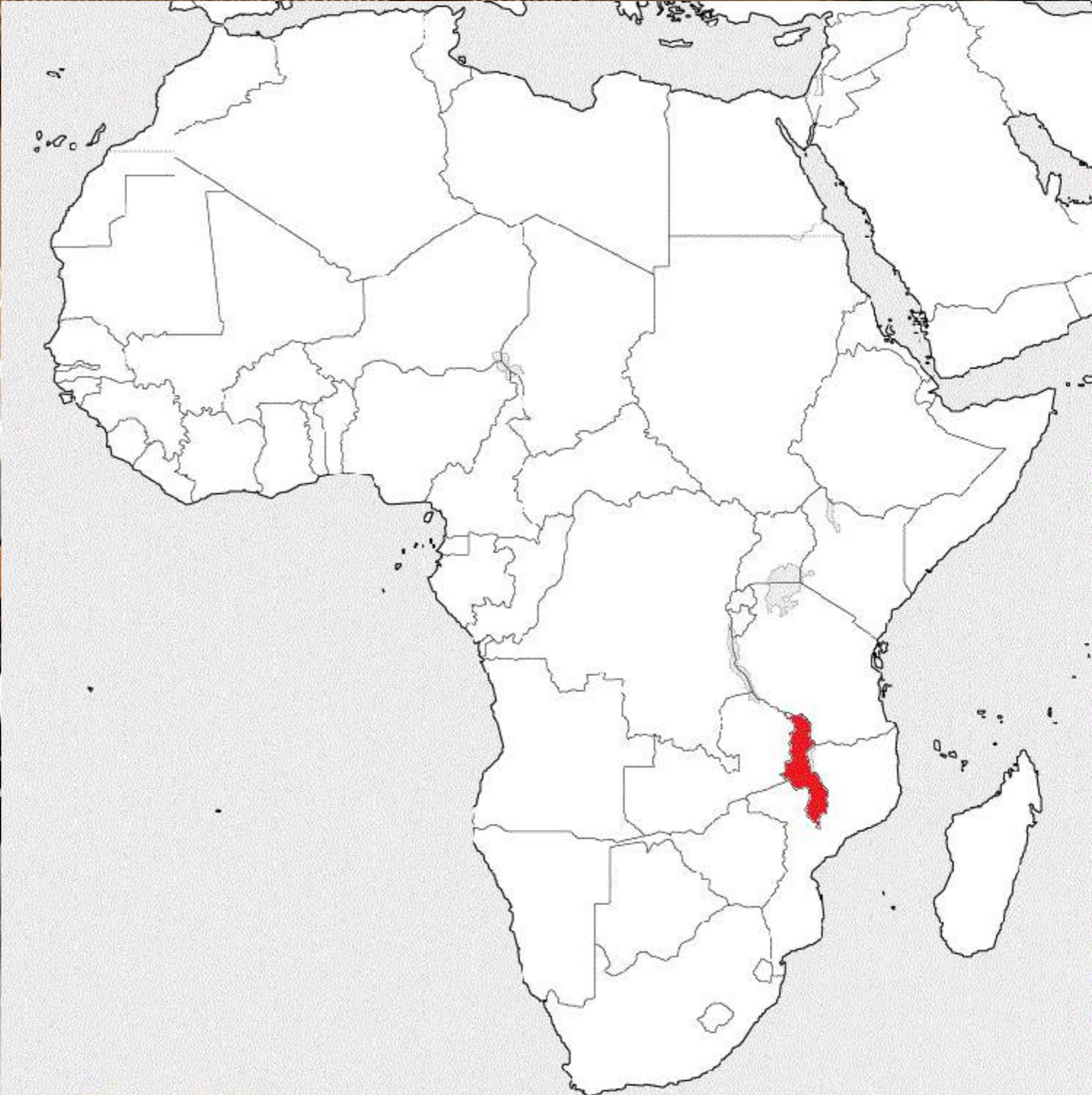
Hokkaido University, CoSTEP
Kiyoshi Furusawa

Who am I?





Science
Teacher in
Malawi as
an
International
volunteer

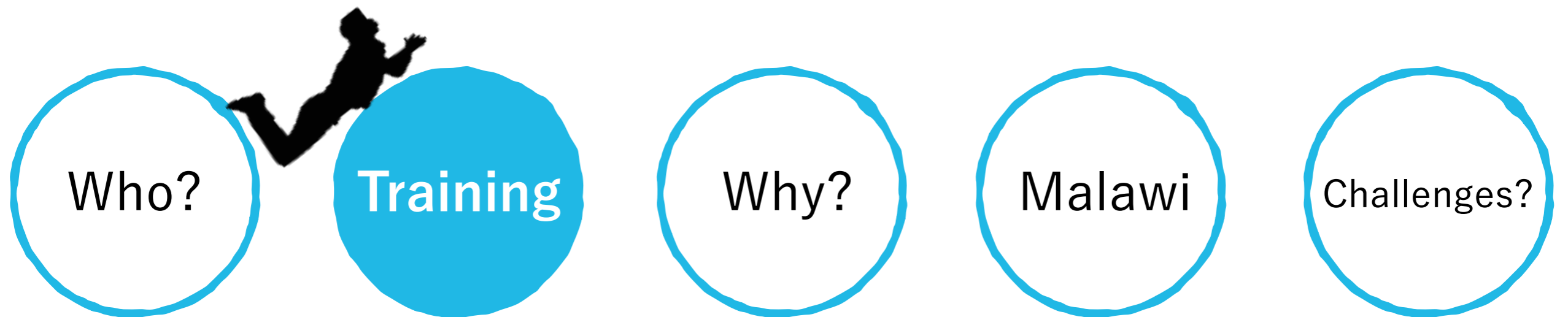


I wonder if I
continue this job
as a teacher.

Miraikan and Science Communication



Two training programmes





Training

Science Communicators in Miraikan

On-the-job training

Fixed-term employment

Future career

Science centre, Museum, University,
Research institution, Mass media,
Journalist, Educator, Company,
Entrepreneur, Government, etc.

Dialogue



Demonstration



Miraikan

48:12

Miraikan

Media

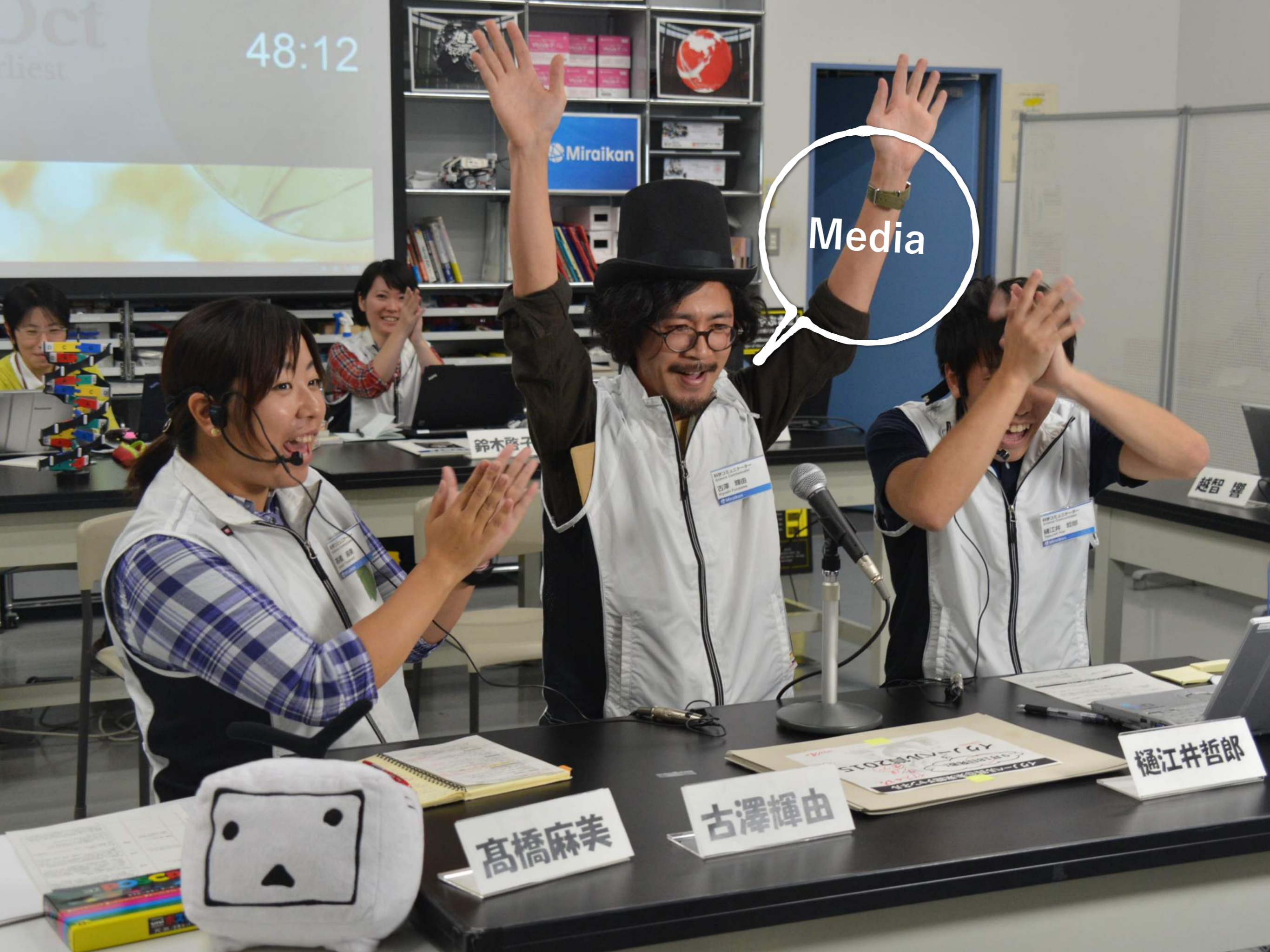
高橋麻美

古澤輝由

樋江井哲郎

鈴木啓子

越智 響



なぜ? どうして?

オール
カラー

もっと知りたい

かがく
科学
の
ふしぎ

楽しく学べる絵本

みちかのぎもん

100

日本科学未来館 [監修]

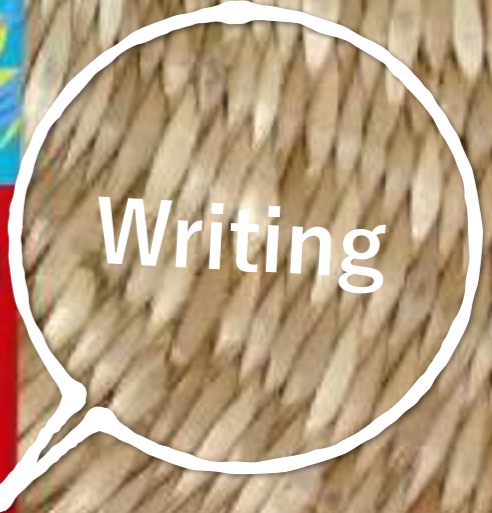
日本科学未来館の科学コミュニケーターが
科学の世界を楽しく案内します!

ナツメ社

持ちこたえる
小さな本



日本科学未来館館長
毛利 衛



Collabo-
ration

ASPAC 2016

BEIJING, CHINA



Training

Science Communicators in Miraikan

On-the-job training

Fixed-term employment

Future career

Science centre, Museum, University,
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Training

Science Communicators in Miraikan

On-the-job training

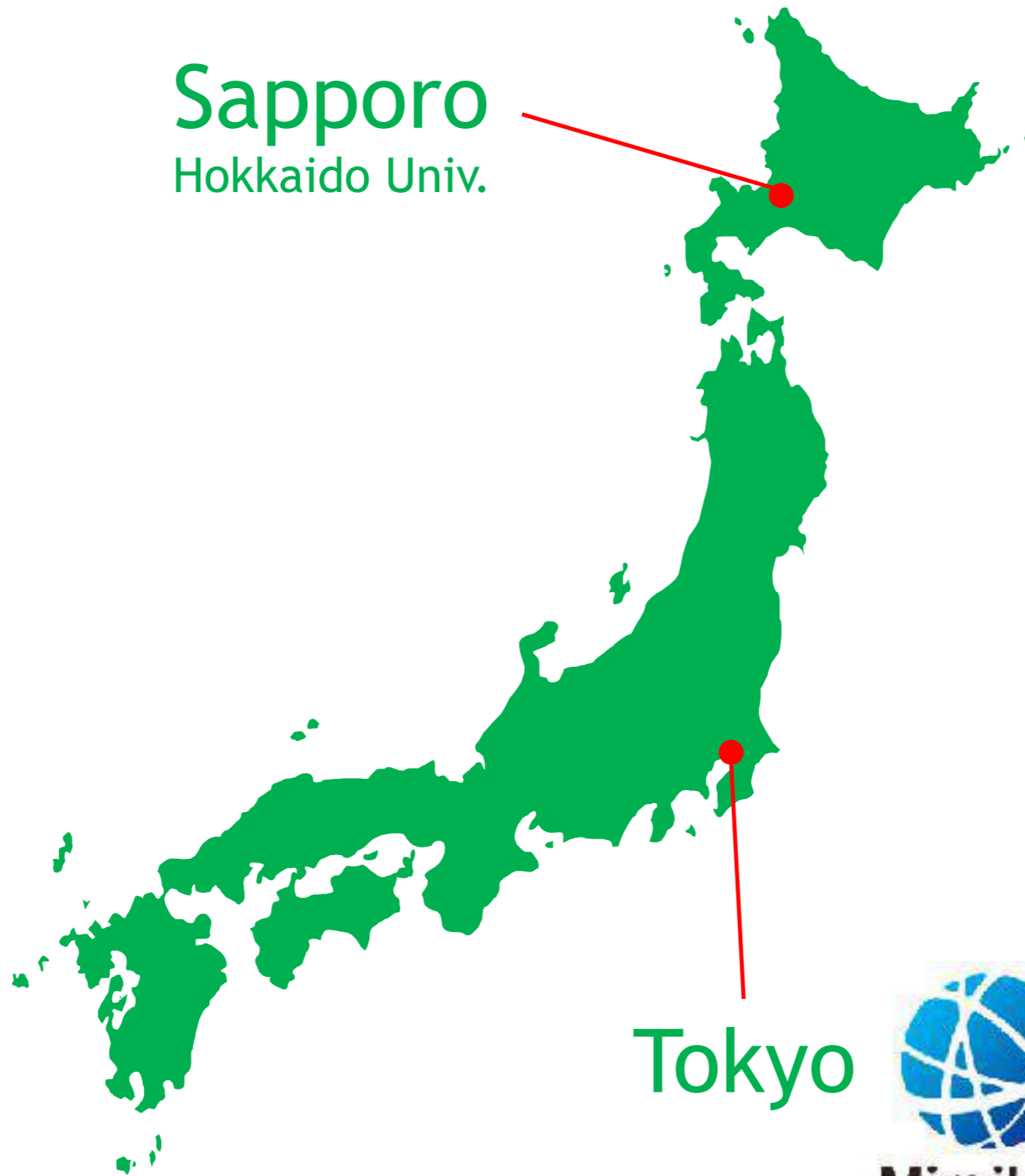
Fixed-term employment

Future career

Science centre, Museum, University,
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Entrepreneur, Government, etc.

How should I
use this
experience?

Sapporo
Hokkaido Univ.

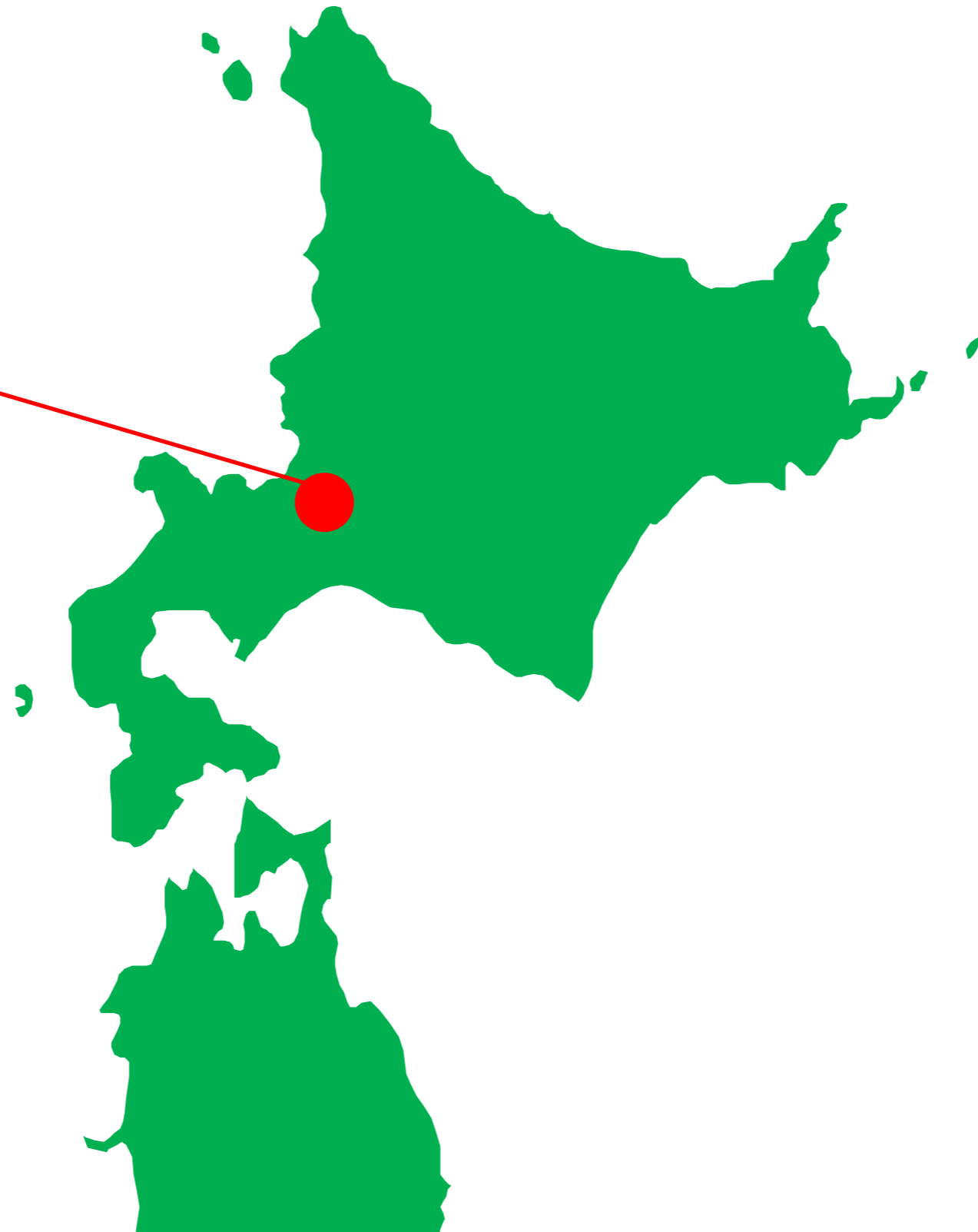


Tokyo



Miraikan

Sapporo
Hokkaido Univ.





Communication in
Science & **T**echnology
Education & Research
Program

Training

Education Programme in CoSTEP

1 year programme

Open to almost everyone

e-learning

Certificate of Completion / not degree

Future career











極北に針路をとれ

北極海航路が拓く新時代

第92回 サイエンス・カフェ札幌

日時 2016年12月11日(日)
14:00-15:30 (開場13:30)

会場 紀伊國屋書店札幌本店 1F インナーガーデン

ゲスト 大塚 夏彦 さん | 北海道大学北極域研究センター 教授

聞き手 池田 貴子 | 北海道大学CoSTEP 博士研究員

定員 80名程度 | 申込不要・参加無料

主催 北海道大学 CoSTEP
costep.open-ed.hokudai.ac.jp



Training

Education Programme in CoSTEP

1 year programme

Open to almost everyone

e-learning

Certificate of Completion / not degree

Future career

Why Science Communication?



Public understanding of science

Public engagement with science

Fun of science!

Why do you learn Science Communication?

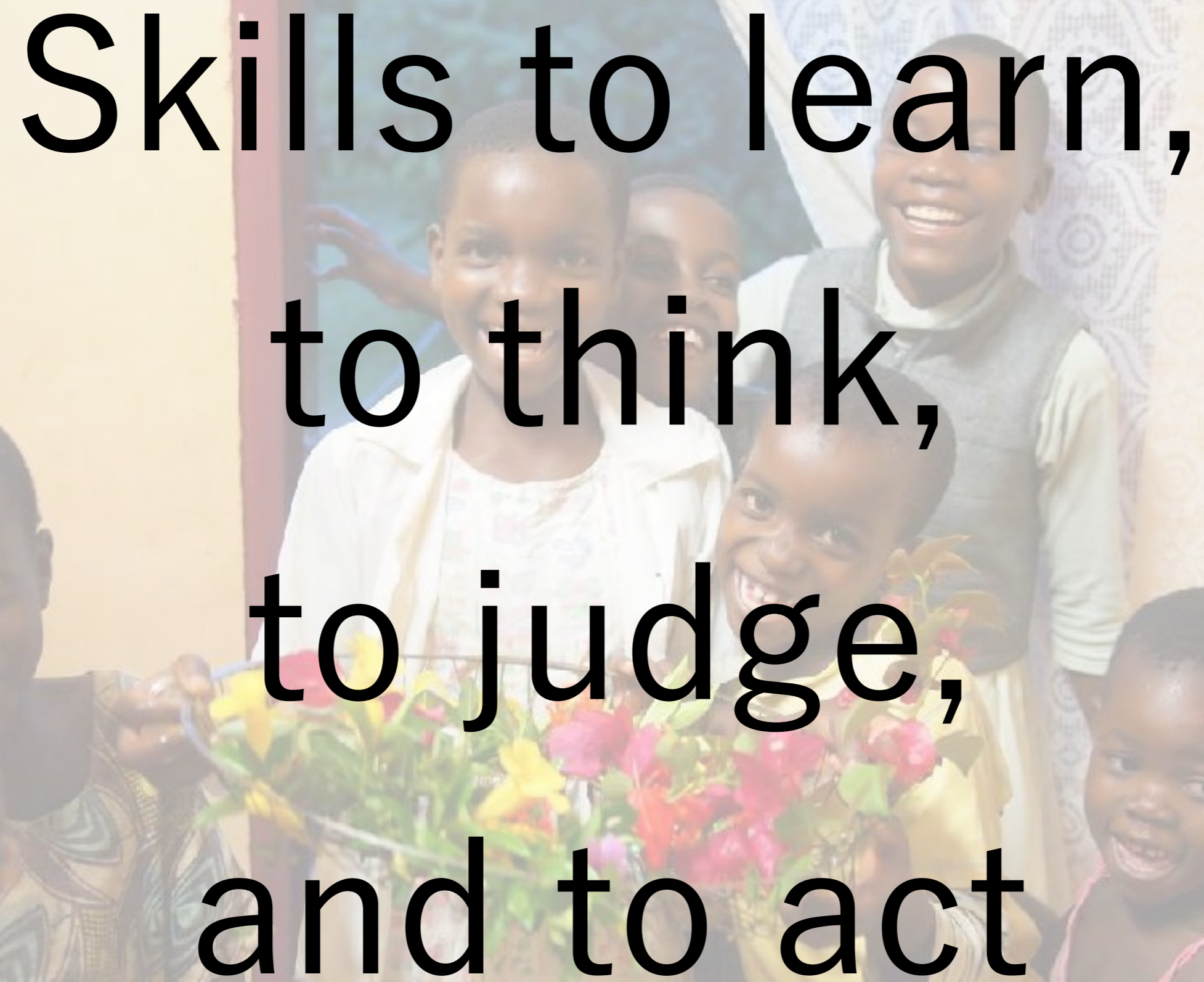




Okay.
Well,
WHAT FOR?

A satellite view of the Earth, showing the continents of Africa and Europe. The text "To reach our sustainable future" is overlaid in a large, black, sans-serif font. The text is arranged in three lines: "To reach" on the top line, "our sustainable" on the middle line, and "future" on the bottom line. The background is a grayscale image of the Earth from space, with the blue of the oceans and the brown and green of the continents visible. The text is centered horizontally and vertically over the image.

To reach
our sustainable
future

A group of six African children are smiling and holding a large bouquet of colorful flowers. The children are of various ages, from young children to teenagers. They are dressed in casual clothing. The background is a simple indoor setting with a patterned curtain. The text is overlaid on the image in a large, black, sans-serif font.

Skills to learn,
to think,
to judge,
and to act

SUSTAINABLE DEVELOPMENT GOALS

17 GOALS TO TRANSFORM OUR WORLD

1 NO POVERTY



2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



5 GENDER EQUALITY




6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



10 REDUCED INEQUALITIES



11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



14 LIFE BELOW WATER



15 LIFE ON LAND



16 PEACE, JUSTICE AND STRONG INSTITUTIONS



17 PARTNERSHIPS FOR THE GOALS



SUSTAINABLE DEVELOPMENT GOALS



4 **QUALITY
EDUCATION**



**Equal access to
quality education**

**Education for
sustainable
development**

A case in Malawi





Scientific
Drama
Group



STEP1

by Science
Communicators

STEP2

STEP3



Poison man said that, two of these bottles contain poison but only one has Vinegar

STEP1

by Science
Communicators

STEP2

with Science
Communicators

STEP3



Ok, it looks like itll work now. Lets try again

STEP1

by Science
Communicators

STEP2

with Science
Communicators

STEP3



STEP1

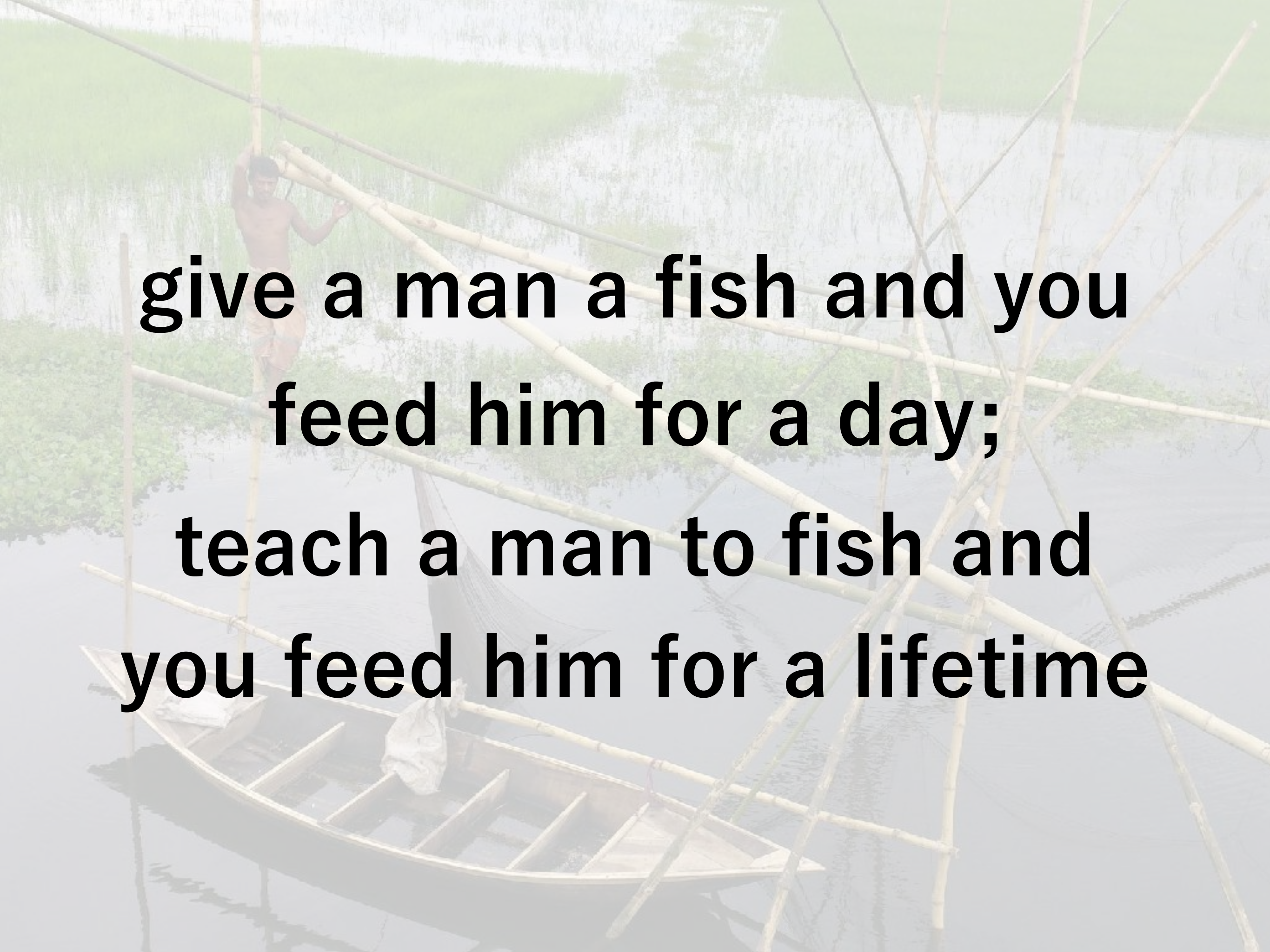
by Science
Communicators

STEP2

with Science
Communicators

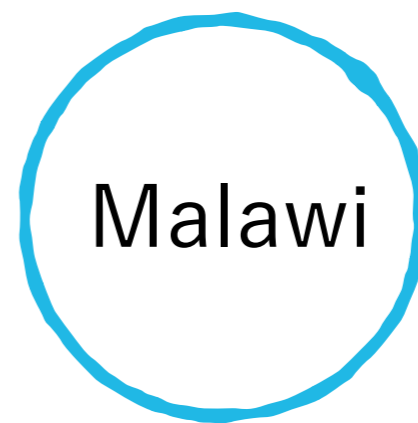
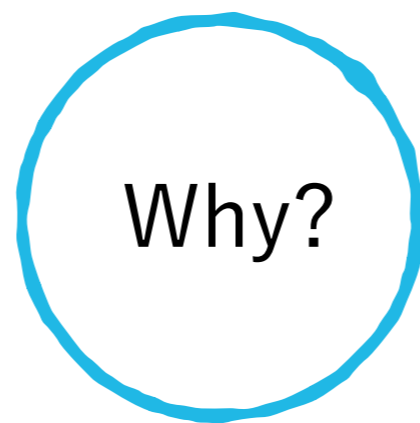
STEP3

by themselves

A man is walking through a shallow, marshy area, carrying a large log on his shoulder. In the foreground, a wooden boat is visible, and a large net is draped over a structure made of bamboo poles. The background shows a body of water and a line of green vegetation.

**give a man a fish and you
feed him for a day;
teach a man to fish and
you feed him for a lifetime**

Challenges and the way forward





**Where
is a science
communicator?**



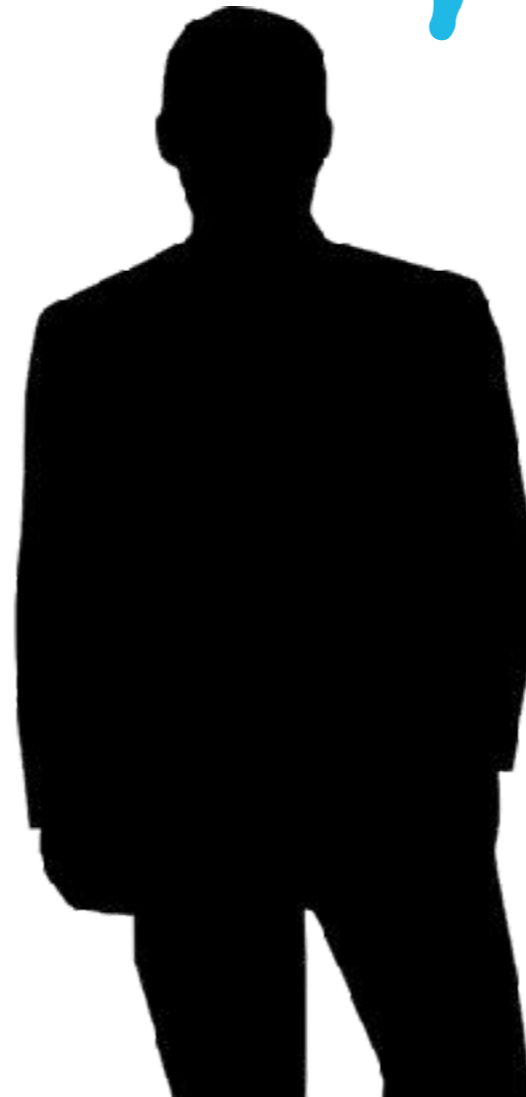
Sapporo



**LOCAL &
GLOBAL, BOTH
PERSPECTIVES
ARE NEEDED!**



**Focus on only
Sapparo?**



**Where
is a science
communicator?**

A close-up photograph of two hands shaking in a firm grip. The hand on the right is wearing a red sleeve. The background is a plain, light blue-grey color. The text "As conclusion..." is overlaid in the center of the image.

As conclusion...

